



Panelouvre[®]

FOR WALLS

formed & extruded louvres



Panelouvre[®]

FOR DOORS

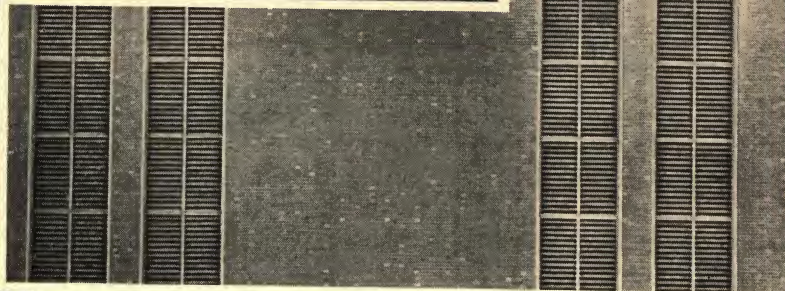
THE VENTILOUVRE CO., INC.



Bayboro Power Plant, Florida Power Corporation, St. Petersburg, Florida. Adjustable ball bearing model 136-7 installed under windows.



Adjustable Panelouvre model D-1 in doors of Commercial Petroleum and Transport Company Office, Houston, Texas.

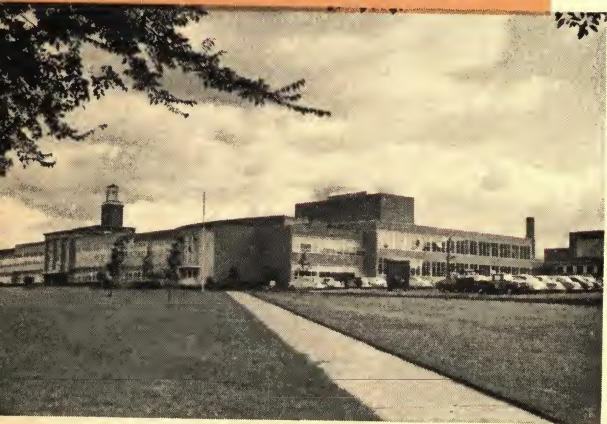


High tiers of stationary Panelouvre model 103-6 offer maximum ventilation at the Walter C. Beckjord Station, Cincinnati Gas and Electric Company, Clermont, Ohio.

Panelouvre®

for all ventilating purposes available in all metals

Panelouvre penthouse model 303M with extruded aluminum adjustable louvres atop Bedford High School Addition, Bedford, Ohio.



Since 1914, The Ventilouvre Co., Inc. has pioneered the development of louvres to meet and solve ventilating problems throughout the country. We take pride in the ever increasing number of architects, engineers, contractors and owners who turn to us with confidence in the reliability of our product.

Wherever installations require louvres to insure proper ventilation—in schools, hospitals, hotels, offices and factories—the Panelouvre solves the problem. Panelouvre models can be relied upon to meet varied requirements with maximum efficiency and smart appearance while keeping cost and time at a minimum. This catalog illustrates standard designs which are readily adaptable to the large majority of ventilating problems.

Recognizing that circumstances may demand special types and designs, Ventilouvre is well equipped to meet varied and unusual requirements. The tools, dies and manufacturing facilities insure flexibility, permitting ready fabrication of special units when necessary. Sound engineering and a well equipped laboratory provide assurance of precision and quality to meet the most rigid requirements.

Formed and Extruded Louvres

complete choice

With the ability to offer both sheet metal and extruded aluminum louvres, The Ventilouvre Co., Inc. presents the widest range of choice in solving any given ventilation and design problem.

Formed sheet metal Panelouvre models have been developed over a period of many years as the result of direct and wide experience in designing and fabricating louvres to meet the most varied of requirements. Available in a wide variety of models and materials, formed sheet metal construction offers assurance of adaptability to all job conditions.

In recognition of the growing demand and the wider availability of aluminum for use in the building industry, The Ventilouvre Co., Inc. has developed a group of sturdy extruded aluminum Panelouvre models for heavy duty service. The limiting aspects of the use of extrusions, fewer designs and pre-determined parts, are offset by the fact that they permit, to an extent never before possible, the use of unobstructed horizontal lines in architectural design.

materials

The formed sheet metal louvres illustrated on the following pages, subject to specifications and availability, can be made of all metals commonly used in the building trade. The standard material for interior use is cold rolled steel, while galvanized steel is generally used for exterior installations. Stainless steel, aluminum, copper and bronze readily lend themselves to fabrication of louvres for both interior and exterior use. Reference should be made to gauges recommended for the various models.

All extruded aluminum Panelouvre models are made of .081" (12 gauge) extruded aluminum alloy 6063-T5. That material combines maximum strength and minimum weight with the natural beauty of aluminum.

finishes

Steel Panelouvre models, not exceeding 72" in any dimension, are degreased, bonderized and given a baked Epon prime coat in one continuous process. When desired, a standard solid color baked enamel finish is then applied.

Aluminum louvres, unless otherwise stipulated, are furnished in mill finish. Aluminum Panelouvre models can be furnished with special mechanical and chemical finishes. Specifications for a special finish should list the desired finish by number in accordance with standard specifications common to the aluminum industry.

When louvres are of materials other than steel or aluminum, they are normally shipped with mill finish only. However, assuming availability, special finishes will be furnished when specified.

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The adjustable Panelouvre models of tested design and sturdy construction insure maximum strength and rigidity under all conditions. The blade construction employed prevents buckling and distortion. Panelouvre design provides maximum strength and durability while assuring minimum weight and optimum size.

formed

Adjustable ball bearing Panelouvre model 136-7, standard 4" thick, is normally fabricated of 16 gauge cold rolled or galvanized steel. Fabrication can also be of corresponding gauges and weights of other metals such as 14 gauge sheet aluminum and 48 ounce copper.

Strong corrosion resistant stainless steel bearings mounted in cadmium plated races provide easy, positive and uninterrupted operation. Steel, bronze or other metal pivots are available when desired.

extruded aluminum

Adjustable Panelouvre model 136M, 4" thick only, is made of .081" (12 gauge) extruded aluminum, alloy 6063-T5.

Blades are pivoted with aluminum pins and nylon bearings. Ball bearing pivots are supplied when specified.

size

Available in any size desired, adjustable Panelouvre units over 72" wide or high are usually formed of sections joined by vertical or horizontal mullions, each section being equipped with an individual operator. When practical, sections can be made slightly higher than 72" without horizontal mullions.

operation

Hand or chain operated, the blades of adjustable Panelouvre models 136-7 or 136M can be placed in any desired position from completely closed to fully open. Units are equipped, as required, with either wing nuts and handholds or chains and wall brackets. Connecting arms can be furnished for use with motor or crank operation (see page 5).

Adjustable Panelouvre models 136-D-20 and C-136M-20 are equipped with removable crank operators and completely enclosed operating mechanisms. (Illustrated this page)

fire control

When required, the adjustable Panelouvre is fitted with a fusible link for fire resistance. Fusible links approved by the National Board of Fire Underwriters do not hinder manual operation at any time.

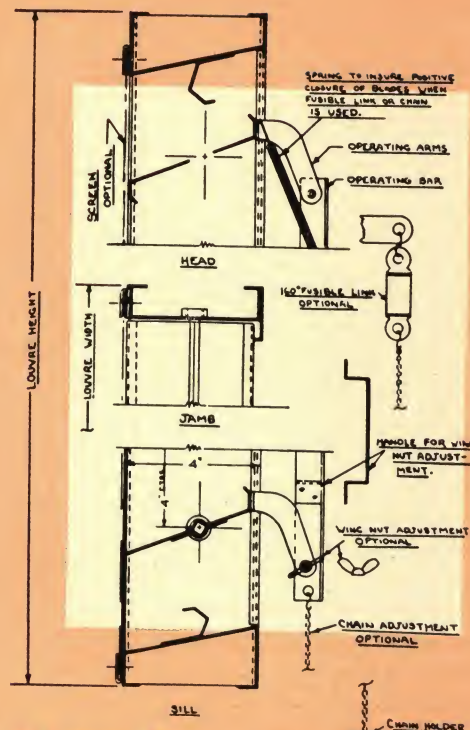
screens

Screen is optional and can be attached on the exterior side of adjustable units. For complete screen information, see page 14.

finishes

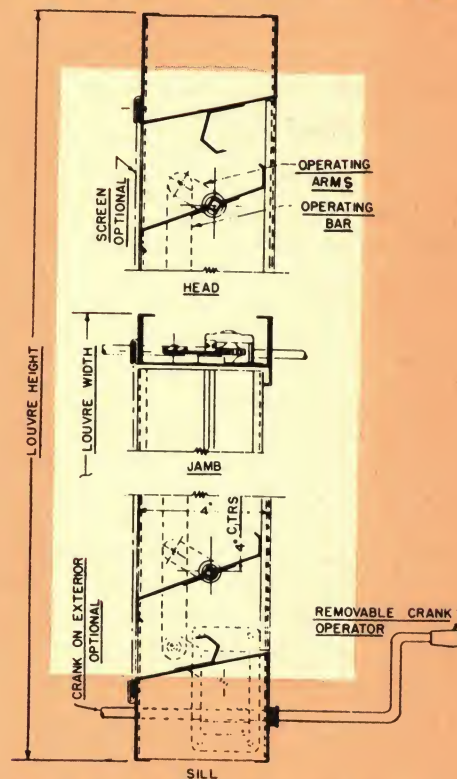
Steel louvers are normally bonderized, prime coated and given a solid color baked enamel finish. Aluminum louvers are regularly furnished in mill finish, other finishes being available when specified. See "finishes", page 3.

Complete information regarding *installation methods* and special *sill pieces* is given on pages 14 and 15.

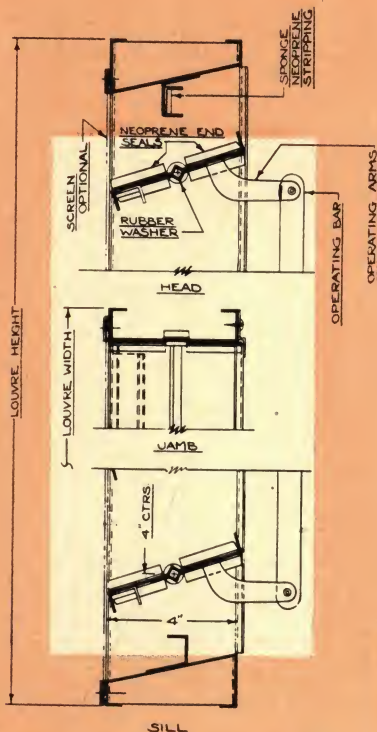


adjustable ball bearing Panelouvre, model 136-7. Standard 4" thick, made of formed metal. Extruded aluminum, specify model 136M.

Model 136-C-10 same as 136-7 but with flanges all around for glass block walls. See information at left.

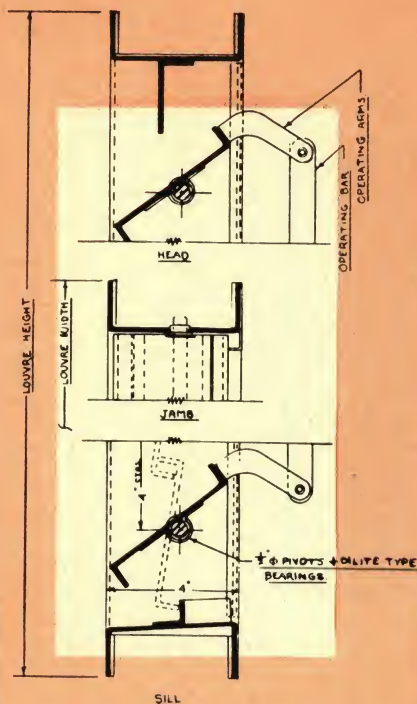


adjustable ball bearing Panelouvre, model 136-D-20. With removable crank operator. Can be adapted for operation from exterior. For fabrication of extruded aluminum, specify model C-136M-20. See information at left.



adjustable airtight Panelouvre, model 270. Made 4" thick and of 16 gauge steel and other formed metals of corresponding thickness.

Sponge Neoprene end seals and stripping insure exclusion of air when louver is closed.

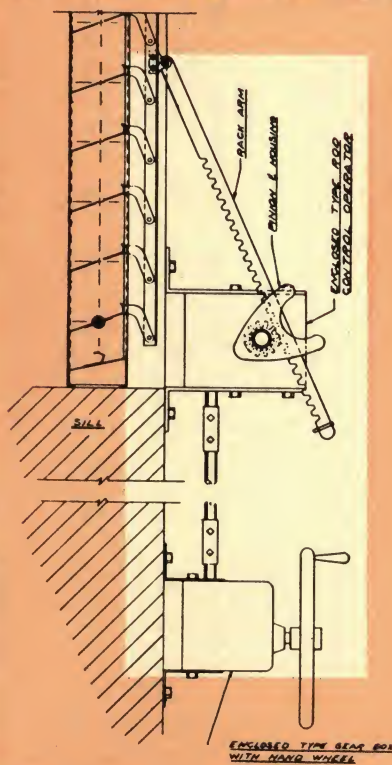


especially heavy adjustable Panelouvre, model 250-D-1. Standard 4" thick. Made of 10 or 12 gauge steel and other formed metals of corresponding thickness. For extreme conditions only.

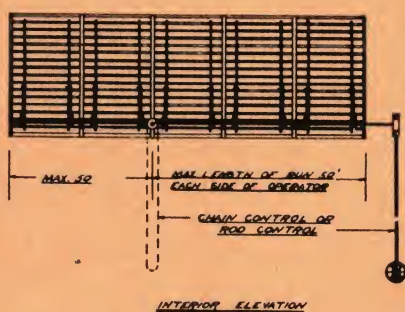
Same methods of operation as model 136-7.



Adjustable ball bearing Panelouvre, model 136-7, installed in Hose Tower of Fire House #4, Fresno, California. Complete unit 95 3/4" wide x 311 3/4" high, made in ten sections joined by one vertical and four horizontal mullions.



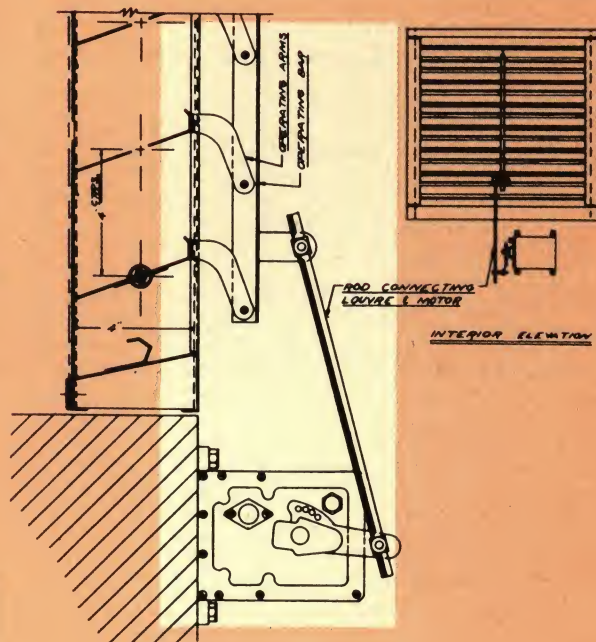
Large industrial installations often require simultaneous operation of long runs or high banks of adjustable louvers. All adjustable Panelouvre models can be adapted to mechanical operation for that purpose.



PAYSON MECHANICAL OPERATORS CAN BE FURNISHED AS FOLLOWS:

1. ENCLOSED ROD CONTROL OPERATOR WITH OPEN TYPE OR ENCLOSED TYPE GEAR BOX, HAND WHEEL OR CRANK.
2. OPEN TYPE ROD CONTROL OPERATOR WITH OPEN OR ENCLOSED GEAR BOX, HAND WHEEL OR CRANK.
3. ENCLOSED TYPE CHAIN CONTROL OPERATOR.
4. OPEN TYPE CHAIN CONTROL OPERATOR.

Adjustable models with mechanical operators can meet the most varied conditions. The above drawing illustrates a typical arrangement for simultaneous operation of all blades in a multi-section installation.



As illustrated above, the adjustable Panelouvre is readily adaptable to motor operation wherever installations make blade adjustment by motor desirable. Motor operators permit push button control, as well as automatic temperature adjustments when used with thermostats.

formed

Panelouvre stationary models for industrial use are the result of wide experience in designing and fabricating louvres to meet varied heavy duty requirements. The stationary Panelouvre models illustrated represent the optimum in design for free flow of air and exclusion of rain and snow.

material

All stationary models illustrated are normally fabricated of 16 gauge cold rolled or galvanized steel. Fabrication can also be of corresponding gauges and weights of other metals such as 14 gauge sheet aluminum and 48 ounce copper. Please note that model 176-B can be fabricated of light 26 gauge galvanized steel and other metals of similar thickness.

size

Available in any size desired, stationary Panelouvre units over 72" wide or high are usually formed of sections joined by vertical or horizontal mullions. When practical, sections can be made slightly higher than 72" without mullions. In that event, structural members in and around the openings are a determining factor.

combination

Where a constant air flow is not required but protection against extreme weather conditions is desired, stationary louvres are often joined with adjustable models to form combination units. See pages 8 and 9 for combination louvres.

Finishes are discussed on page 3. Complete information regarding *screens*, *installation methods* and *special sill pieces* is given on pages 14 and 15.

extruded

Experience through the years in developing and designing formed sheet metal stationary louvres has been made integral with the development of the extruded aluminum models illustrated.

material

All extruded aluminum stationary Panelouvre models are made of .081" (12 gauge) alloy 6063-T5. They are regularly furnished in mill finish, other finishes being available when specified. See "finishes", page 3.

size

Available in any size, the extruded aluminum stationary Panelouvre over 72" wide or high is usually formed of sections joined by visible vertical or horizontal mullions. However, the use of extrusions does permit, with stiffeners where necessary, section dimensions exceeding 72".

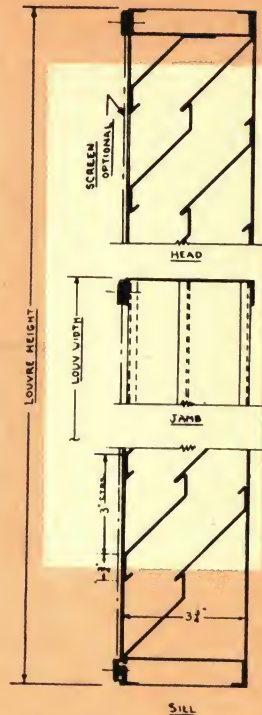
combination

As with formed louvres, extruded aluminum stationary units are often combined with adjustable models to form combination louvres enhancing weather protection. See pages 8 and 9 for combination louvres.

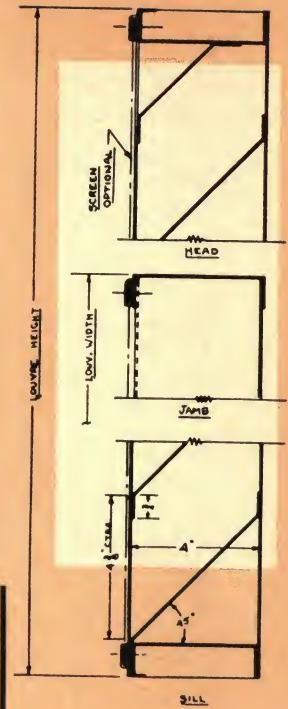
continuous

Recognizing the growing architectural demand for long louvre runs to blend with modern facades, Panelouvre models 176HL and 103HL have been designed with invisible mullions to stress continuous exterior horizontal lines. Standard horizontal line mitered corner sections are readily available to implement the continuous line effect wherever runs around corners are involved. See the illustrations on page 7.

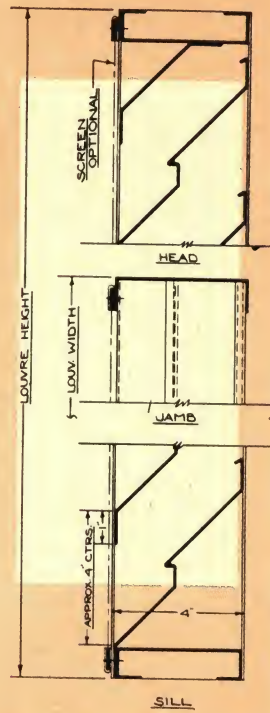
Information regarding *screens*, *installation methods* and *special sill pieces* is given on pages 14 and 15.



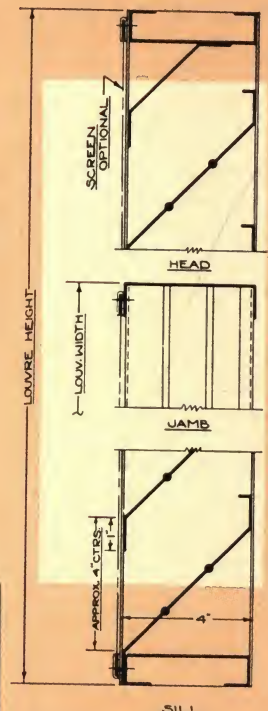
stationary leakproof Panelouvre, model 176-B. 3 3/4" thick and of 26 gauge galvanized steel. With slight construction changes, can be 16 gauge steel. Available in other formed metals of corresponding thickness.



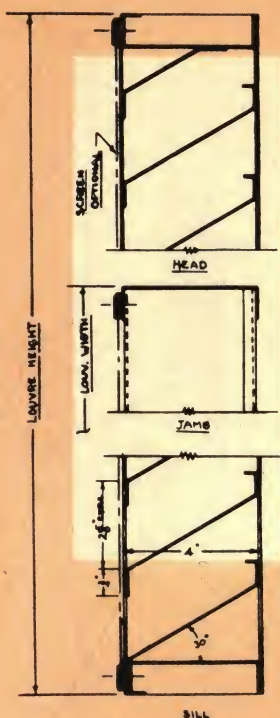
stationary Panelouvre, model 103-6. Standard 4" thick. Can be from 1 1/2" to 8" thick. 16 gauge steel or other formed metals of corresponding thickness. Blades 45°, with return bends if desired.



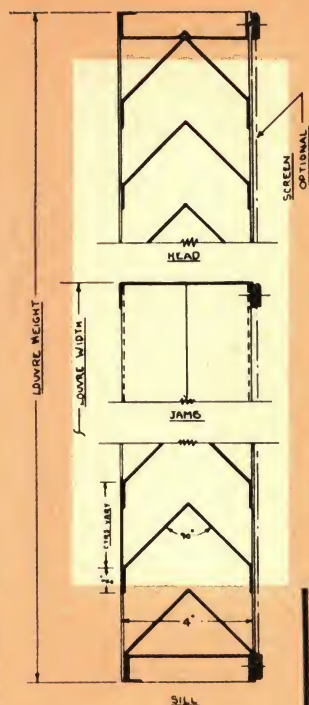
stationary leakproof Panelouvre, model 176M. 4" thick and of 12 gauge extruded aluminum. Maximum protection blade baffles. Side channel legs project inward. For side channel legs projected outward, specify model 176R.



stationary Panelouvre, model 103M. 4" thick and of 12 gauge extruded aluminum. Side channel legs project inward. For side channel legs projected outward, specify model 103R. Available 2" thick, specify model 102M.



stationary Panelouvre, model 209. Standard 4" thick. Can be from 1½" to 8" thick. 16 gauge steel or other metals of corresponding thickness. Blades with 30° with return bends at tops.



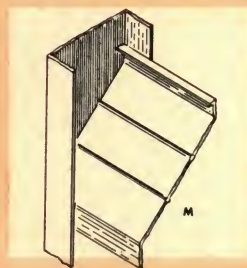
stationary inverted "V" blade Panelouvre, model 259. Standard 4" thick. Can be from 1½" to 8" thick. 16 gauge steel or other formed metals of corresponding thickness. Blades with 90° angles.

multi-section

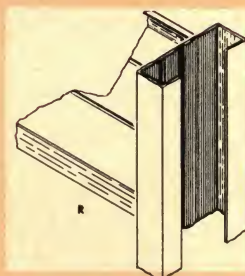


Formed aluminum stationary Panelouvre, model 209, in exterior wall at Terry Dairy Products Company Plant, Little Rock, Arkansas.

The above photograph illustrates formed louvre sections joined in one complete unit by the use of standard visible mullions or battens. Note that the sections and battens have been fabricated to align with the window mullions. Where a continuous unbroken horizontal line effect is desired on the exterior, we recommend extruded aluminum models 176HL or 103HL with invisible mullions. See below.

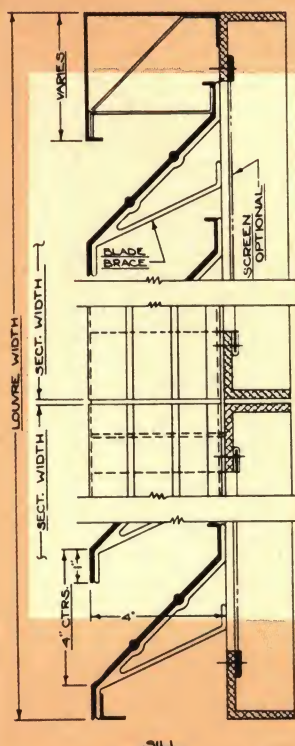


side channels project inward



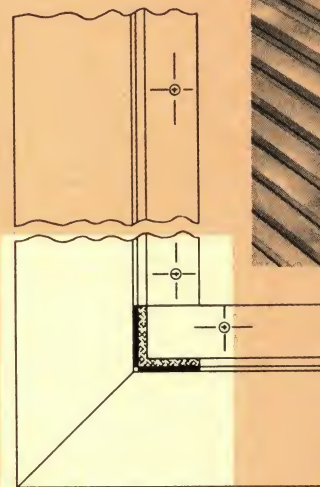
side channels project outward

These illustrations show the difference in blade and frame relationships for models 176M and 176R, and 103M and 103R. When specifying, suffix "M" indicates side channels projected inward, "R" outward.



continuous horizontal line Panelouvre, model 103HL. Model 103M blades with interior extruded blade braces, tee stiffeners and angles joining louvre sections for exterior continuous appearance. Specify 176HL for model 176M blades.

mitered corner



This photograph offers a close view of the blade alignment involved in the fabrication of a mitered corner Panelouvre. Modern equipment permits heliarc welded blade corners of the finest possible craftsmanship.

The availability of continuous horizontal line extruded aluminum louvres permits new architectural freedom in blending long horizontal lines with modern facades. Horizontal line mitered corner sections can be furnished with Panelouvre models 103HL and 176HL for use wherever louvres are desired to continue around corners.

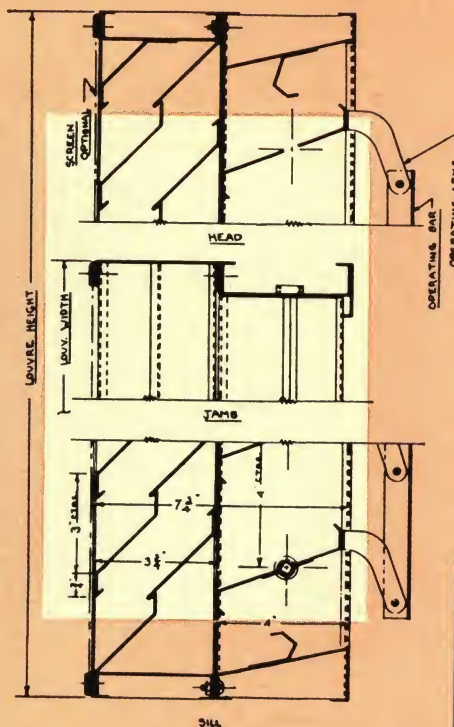
Mitered corners are also employed in the fabrication of model 303HL Panelouvre penthouses. See page 9.

For added weather protection, any of the stationary Panelouvre models on pages 6 and 7 can be combined with the adjustable designs illustrated on pages 4 and 5. The most popular combination models are illustrated at the right. However, combinations are not limited to the designs shown. As an example, stationary models 209 or 259 could readily be substituted for model 103-6 which is used as the standard stationary segment for combination model 125-C-1.

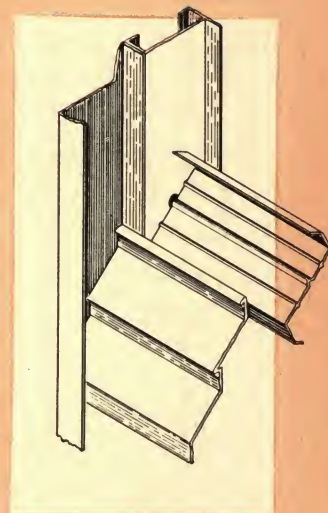
Special use automatic and adjustable Panelouvre models on pages 10 and 11 can also be used with stationary louvres to form combination units. Model 263-D-1, illustrated at the right, is typical of such combinations.

Complete flexibility is possible through the choice of proper combinations. As an example, formed or extruded adjustable louvre sections with visible mullions could be combined with Panelouvre models 103HL or 176HL for a continuous horizontal line appearance on the exterior. A minimum 10" wall thickness is recommended for this particular combination.

Screens can be mounted on the exterior or between segments, as desired. Complete information about *screens*, *installation methods* and special *sill pieces* is given on pages 14 and 15.



combination adjustable and stationary leakproof Panelouvre, model 260. Combination of formed models 136-7 and 176-B (see pages 4 and 6). 7 3/4" thick, fabricated of same materials as models 136-7 and 176-B.



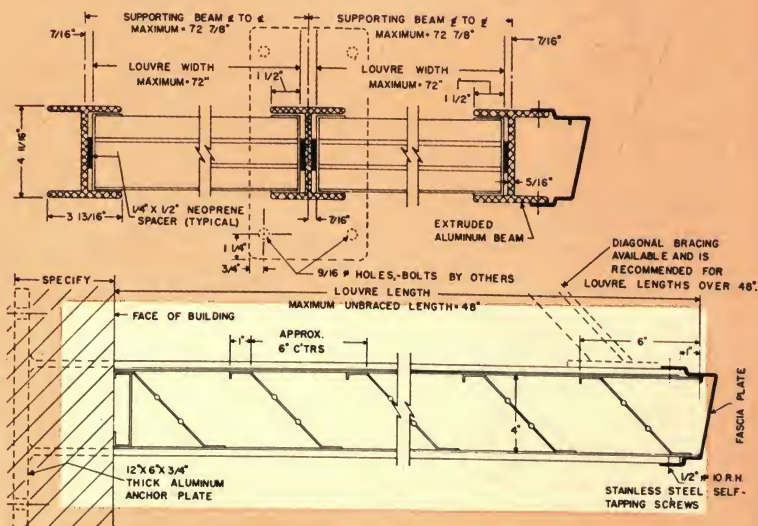
combination adjustable and stationary leakproof Panelouvre, model 260M. Frame and blade section illustrated above. 8" thick, combination of 12 gauge extruded aluminum models 136M and 176M (pages 4 and 6).

extruded adaptations

Extruded aluminum louvres have proved particularly adaptable to two major uses which are playing important roles in modern architectural thinking. Sun control and through the roof ventilation are in ever increasing demand. Panelouvre aluminum extrusions have been adapted to meet those demands.

Modern building design with expansive glass windows requires modern methods of sun control. The extruded aluminum sun control Panelouvre, model 304M, provides the efficient method of reflecting heat and glare without destroying the architectural lines of the building. Model 304M is equipped with blade segments similar to model 103M, reinforced for long uninterrupted service, and devoid of burdensome weight.

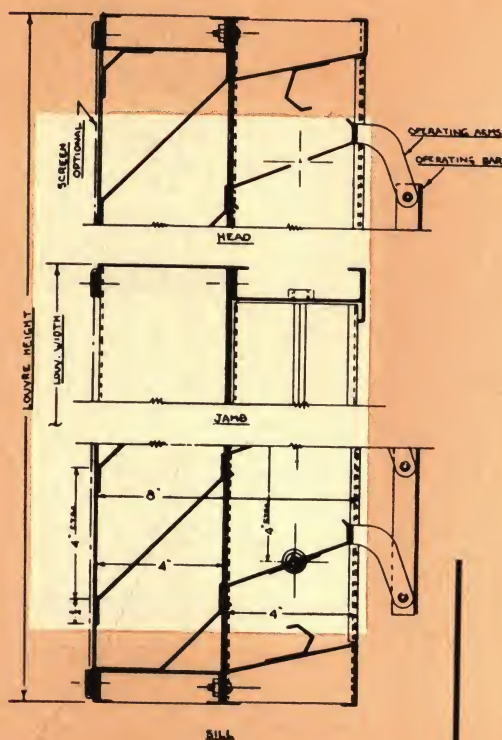
Panelouvre penthouses, models 303M and 303HL, offer the finest in protection and air flow in through the roof ventilation. Economical model 303M, with visible corner covers, can employ adjustable as well as stationary extruded aluminum blades. The necessarily more expensive model 303HL offers a penthouse with mitered heliarc welded corners, creating continuous horizontal lines (illustrated on page 7). Mitered corners limit design to the use of stationary blades only. Screens and special sill pieces are available when desired. See pages 14 and 15.



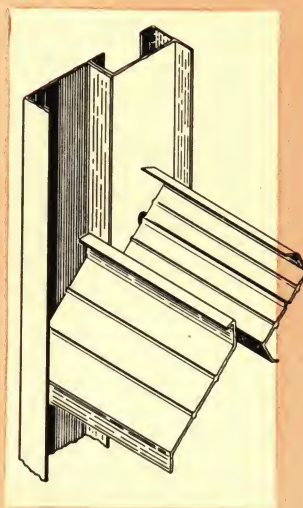
sun control Panelouvre

sun control Panelouvre, model 304M. Equipped with blade segments similar to extruded aluminum model 103M.

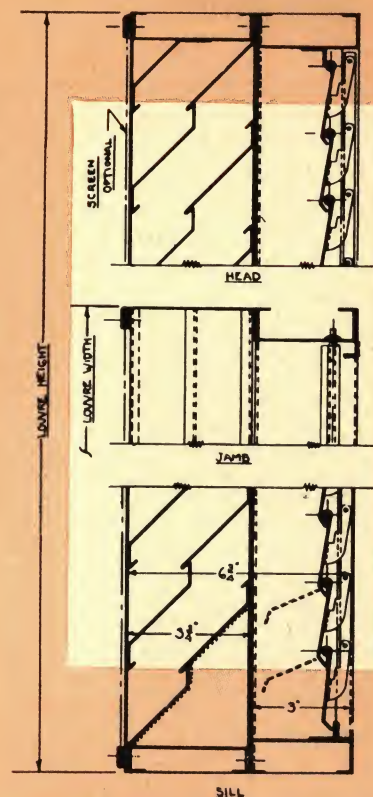
Standard projection from building is 4 feet, the maximum end to end section dimension is 6 feet. Section lengths can vary in multiples of 6". Flexible gaskets at joints permit expansion and contraction. Supporting beams and diagonal aluminum bracing can be supplied for complete installation.



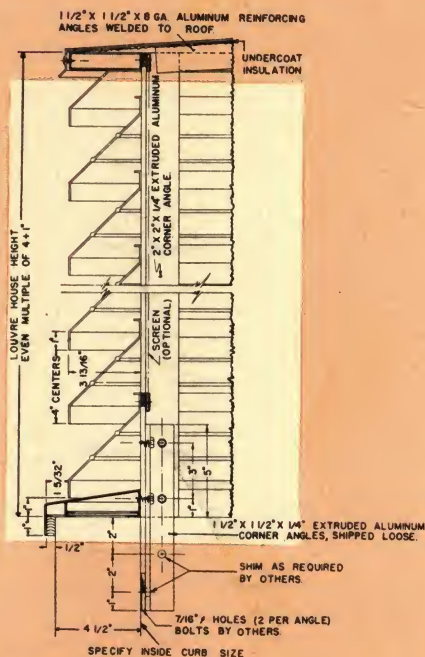
combination adjustable and stationary Panelouvre, model 125-C-1. Combination of formed models 136-7 and 103-6 (see pages 4 and 6). 8" thick, fabricated of same materials as models 136-7 and 103-6.



combination adjustable and stationary Panelouvre, model 125M. Frame and blade section illustrated above. 8" thick, combination of 12 gauge extruded aluminum models 136M and 103M (see pages 4 and 6).

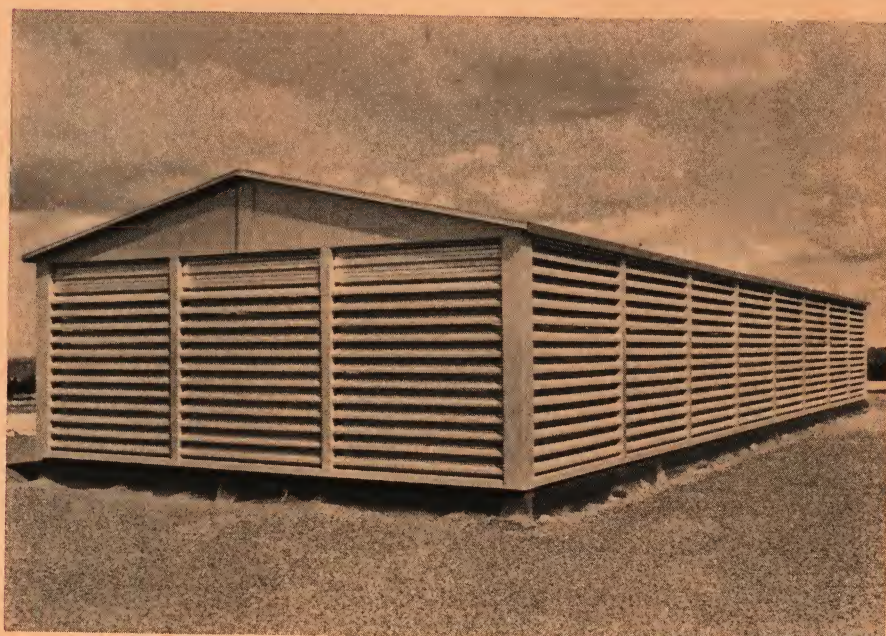


combination automatic and leakproof Panelouvre, model 263-D-1. Combination of formed models 66-C-10 and 176-B (see pages 10 and 6). 6 3/4" thick, fabricated of same materials as models 66-C-10 and 176-B.



penthouses

penthouse Panelouvre, model 303HL. Mitered heliarc welded corners for continuous horizontal lines. Stationary model 103M or 176M blades only. Economical model 303M with corner covers employs adjustable or stationary blades.

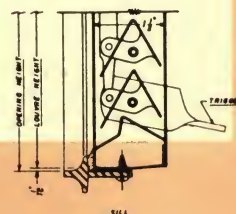
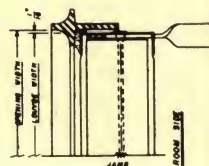
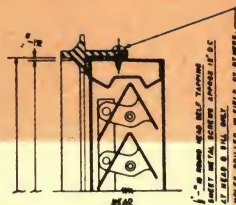


The above photograph shows Panelouvre penthouse model 303M installed on the roof of the Bedford High School Addition, Bedford, Ohio. This unit, 541 1/2" long x 169 3/4" wide x 60" high, employs extruded aluminum adjustable Panelouvre model 136M sections, mechanically operated. Two blades of end sections were fixed in the closed position to meet specific job requirements. This installation illustrates the adaptability possible with model 303M which can employ adjustable blades. Mitered corner penthouses are limited to stationary blades.

Ventilouvre has developed, over a period of many years, special designs and adaptations to meet varied and unusual requirements. Tools and dies have been procured which permit us to offer Panelouvre models of proved value which can be relied upon to meet varied requirements with a maximum of efficiency and smart appearance while keeping cost and time at a minimum.

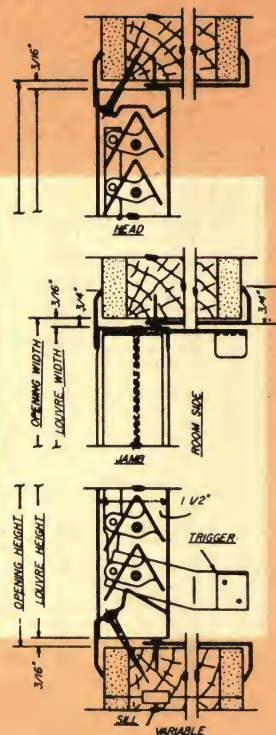
Adjustable and automatic Panelouvre models as described on these pages are readily adaptable to the sternest of job requirements. Although revision in standard construction can be made, changes often bring about decreased operating efficiency, increased costs and delay.

Recognizing, however, that circumstances may demand special development of louvre techniques, Ventilouvre is well equipped to meet varied and unusual requirements. The tools, dies and manufacturing facilities of Ventilouvre insure flexibility unique in the louvre industry. Believing that Panelouvre types and designs are varied enough to meet the most rigid of requirements, The Ventilouvre Co., Inc. is, nevertheless, ready to put complete and easily available facilities to the task of meeting the most unusual problems of ventilation.



for sash

adjustable Panelouvre, model PW, detail 60-A. For metal sash. Long legs of inverted "V" blades face exterior to provide maximum weather protection. 1 1/2" thick and fabricated of 18 gauge steel.



wall frame

adjustable Panelouvre, model 148. With special frame for interior or exterior walls of any thickness. Installed in wood frame by others. Also available as stationary unit. 1 1/2" thick, 18 gauge steel.

automatic

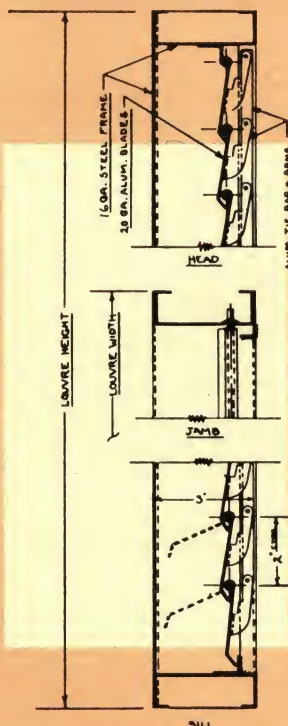
Automatic Panelouvre models serve a distinct ventilating purpose. They are designed to automatically intake or exhaust air under varying air pressure situations. Automatic louvres should not be confused with adjustable models which are operated manually or with mechanical or motor operators.

The popular automatic Panelouvre model 66-C-10 employs light gauge aluminum blades which open automatically in response to air pressure and close by gravity as that pressure is removed.

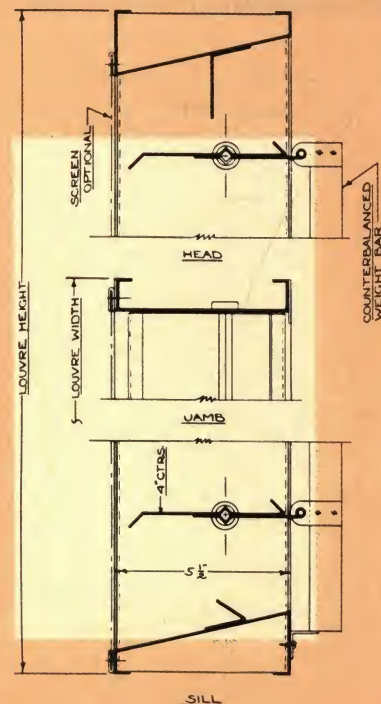
The automatic Panelouvre with bar counterbalance, model 267, is used where rigorous job conditions make heavy duty blades and construction desirable. Working on the same basic principle as model 66-C-10, model 267 achieves delicate balance of heavy gauge blades by the use of counterbalanced weight bars which are adjustable in the field to meet varying pressure conditions.

Whenever automatic louvres are used for intake, it is strongly recommended that they be placed in combination with stationary louvres for weather protection.

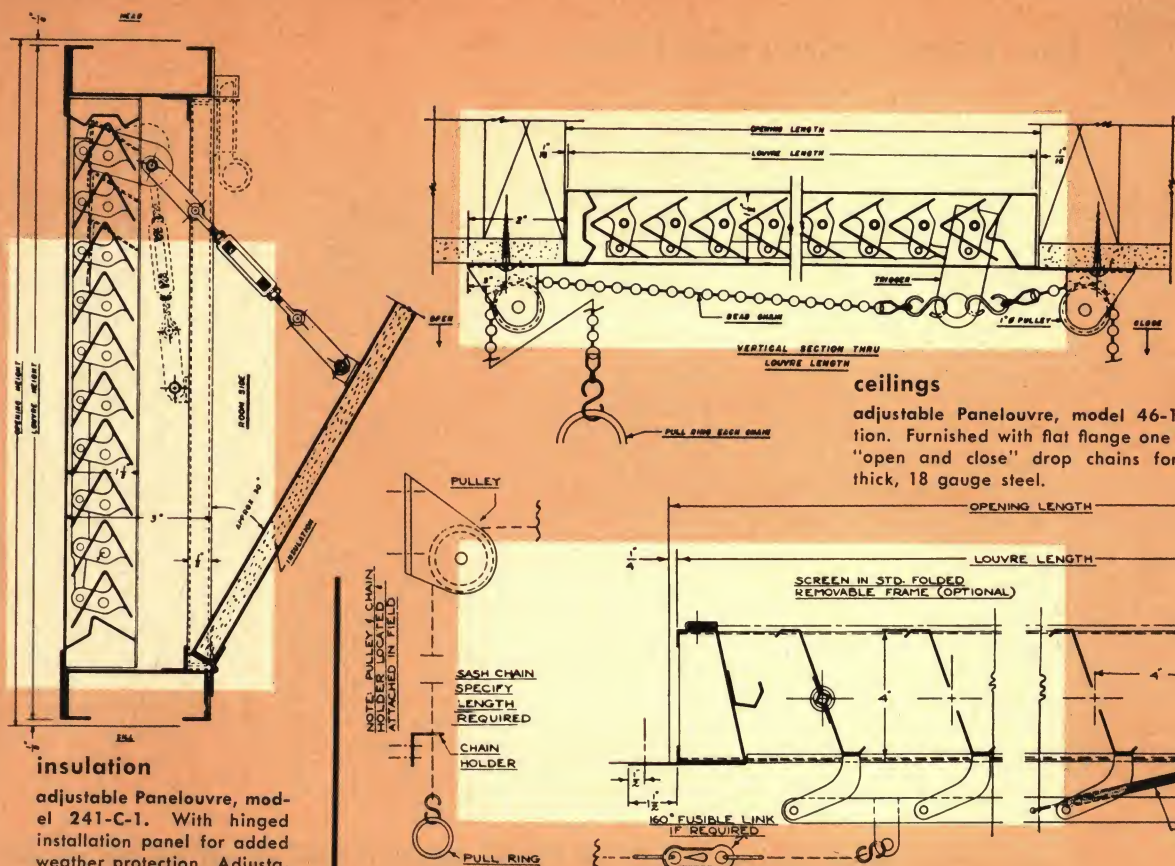
Automatic Panelouvre models have been tested under all conditions in our Development Laboratory. Information regarding automatic response to specific pressure requirements is readily available.



automatic Panelouvre, model 66-C-10. Furnished with flat flange all around on either side. 3" thick, frame 16 gauge steel (or other formed metals of corresponding thickness). Blades always 20 gauge aluminum.



automatic Panelouvre with bar counterbalance, model 267. 5 1/2" thick, fabricated of 16 gauge steel or other formed metals of corresponding thickness. Maximum section width 48". Maximum section height 72".



ceilings

adjustable Panelouvre, model 46-12. For ceiling ventilation. Furnished with flat flange one side and equipped with "open and close" drop chains for easy operation. 1½" thick, 18 gauge steel.

ceilings

adjustable Panelouvre, model C-136-186. Heavy duty, for ceilings and other horizontal positions. Sim-

ilar to formed model 136-7. Can be extruded aluminum similar to model 136M. See page 4.

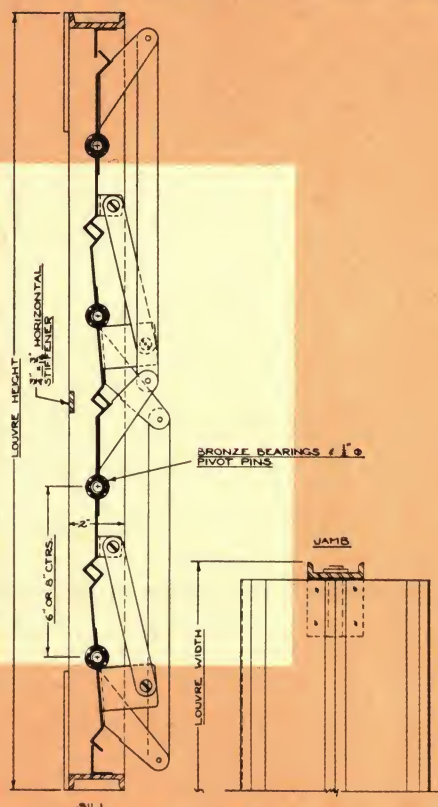
special adjustable

Adjustable Panelouvre model 136-7 (page 4) has proved itself in fulfilling the requirements of the vast majority of installations where heavy duty adjustable type ventilation is involved. Where very special circumstances have arisen, Ventilouvre facilities and techniques have been employed in developing standard adaptations to meet those special needs.

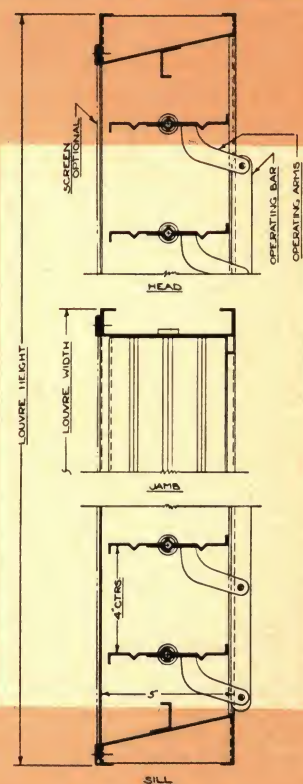
The adjustable opposed blade Panelouvre, model 401, has been designed for use as a volume control damper for those installations where maximum control of air flow without deflection is of primary importance. With blades adjusted to full open or any intermediate position, the opposed blade action insures straight line air flow. Intended for interior installation only, this model has been successfully installed for long uninterrupted service in ducts, pressure chambers and similar enclosures.

Straight blade adjustable Panelouvre model 256 has been primarily designed for maximum air flow in interior ducts. However, it can be installed wherever maximum free area is required.

Any of the methods of operation available for model 136-7 (page 4), including mechanical and motor operators, can be employed with models 401 and 256.



adjustable opposed blade Panelouvre, model 401. Frame 2" x ¾" x ¾" steel channel. Blades 16 gauge steel. Maximum section size 60" W x 72" H. Blades on 6" centers, minimum 12" W x 28" H. Blades on 8" centers, minimum 12" W x 35" H.



adjustable straight blade Panelouvre, model 256. Designed for maximum air flow. 5" thick, made of 16 gauge steel, or other materials of corresponding thickness. Maximum section size, 48" wide x 72" high.

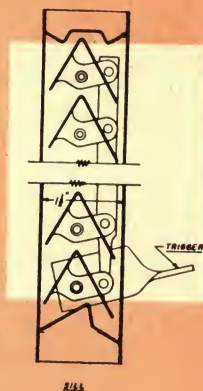
exclusive design

Created and patented by Ventilouvre, the Panelouvre is the original inverted "V" blade adjustable door louvre. The adjustable Panelouvre, built of sturdiest materials and without wearing parts, will last a lifetime without maintenance, repair or replacement. It operates easily and positively without noise or sticking.

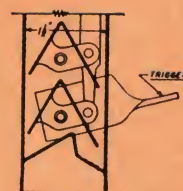
Costing very little more than the stationary Panelouvre, the adjustable inverted "V" blade Panelouvre assures privacy while offering the finest in ventilating comfort and convenience.

The stationary inverted "V" blade Panelouvre, made exactly the same as the adjustable model but without the trigger, is available for use where a constant flow of air is essential. Both adjustable and stationary models are illustrated at the right.

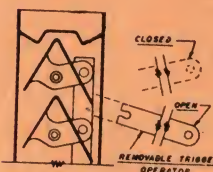
adjustable



model	T	mld
D-1	1 1/2"	B
D-2	1 1/2"	A
D-3	1 1/2"	C
D-4	1 1/2"	H
131	1 1/2"	J
160	1 1/2"	D
B-56-33	1 1/2"	G

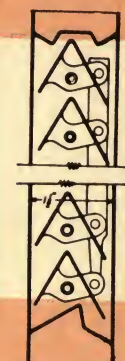


standard trigger



removable trigger available at slight additional cost, when blade adjustments are to be made only by qualified persons. Specify trigger detail 173-B.

stationary



model	T	mld
S-1	1 1/2"	B
S-2	1 1/2"	A
S-3	1 1/2"	C
S-4	1 1/2"	H
B-90-9	1 1/2"	G

others

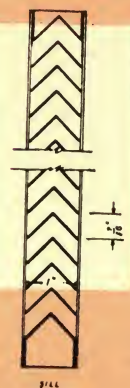
All of the stationary blade shapes common to the louvre industry are also fabricated by The Ventilouvre Co., Inc. A wide range of choice assures compliance with existing louvres or adaptation to any architectural plan in which blade shapes play an integral part.

The many models, which are available with varying stationary blade designs, mouldings and thicknesses, are illustrated at the right. The standard material for these stationary models is 20 gauge cold rolled steel, with fabrication of other metals of similar thickness being possible subject to availability.

All steel Panelouvre models receive a finish preparation including degreasing, bonderizing and baked prime coating. Selection of the factory applied final baked enamel finish can be made from the many standard colors illustrated on the Panelouvre color chart.

stationary inverted "V"

242 series



model	T	mld
242	1"	A
242-A-1	1"	D
242-A-3	1"	G
242-A-4	1"	H
242-A-12	1"	F

67 series



model	T	mld
67	1 1/4"	A
67-1	3/4"	A
67-3	1"	A

stationary inverted "Y"

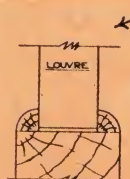


model	T	mld
188-1	1"	A
188-A-1	1"	D
188-A-8	3/4"	A
190	varies	E
191	1 1/2"	C

moulding

Panelouvre models for doors are installed with mouldings of wood or metal. Wood moulding is furnished by others, metal moulding by Ventilouvre when desired.

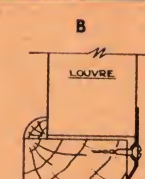
Specification can be made by matching the desired moulding illustrated at the right with the desired louvre design illustrated above.



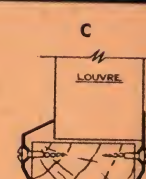
wood moulding both sides by others



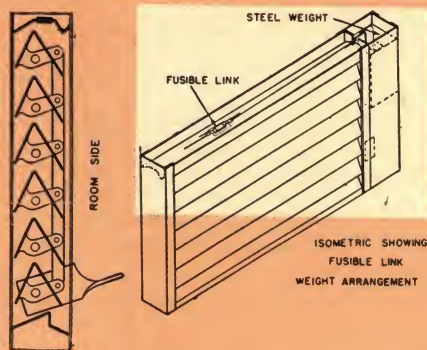
another possibility with wood moulding both sides by others



beveled moulding all around inside only



beveled moulding all around both sides

adjustable
with fusible link

VERTICAL SECTION

HORIZONTAL SECTION

Equipped with 160° fusible link and automatic mechanism encased in 1 3/4" housing at side of Panelouvre. Adjustable blades close automatically in case of fire.

Minimum height is 10 3/8".

model	T	mld
264-C-1	1 1/2"	B
264-C-2	1 1/2"	A
264-C-3	1 1/2"	C

specifications

suggested specifications under "carpentry". Louvres shall be furnished and installed as shown on plans. Construction, as manufactured by The Ventilouvre Co., Inc., New York, New York, shall be as follows: frames. Frame members shall be 18 gauge cold rolled steel, 1 1/2" thick. Top and bottom channel frame members shall be inverted, provided with countersunk screw holes and designed to prevent collection of dust. Corners shall be drawn and spot-welded; both faces of frame shall be flush. (Brass, bronze, aluminum, copper or other metals can be furnished, subject to availability.)

louvre blades. Blades shall be made of 18 gauge cold rolled steel, inverted "V" shape, and set on 1" centers with 1/2" space between bottom edges.

operating bar. Adjustable louvres shall be equipped with operating bar made of 3/32" x 1/2" cold rolled steel and attached to each louvre blade to assure positive operation and equal spacing between blades. operating triggers (omit for stationary units). Operating triggers shall be located in any one of the four corners which may be most accessible for interior or exterior installation.

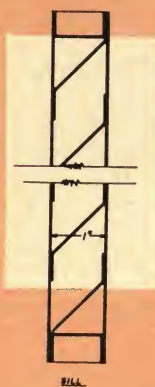
openings. Openings shall be 1/8" larger each way than unit.

finish. Finish shall be baked enamel applied at factory in standard solid color to harmonize with door and trim. Color to be approved by architects. Finish preparation to include degreasing, bonderizing and baked prime coating of all steel. (Grained finish can be furnished at additional cost.)

metal moulding. Metal mouldings, as detailed, shall be furnished by the manufacturer. (If wood mouldings are used, they shall be furnished by the door manufacturer.)

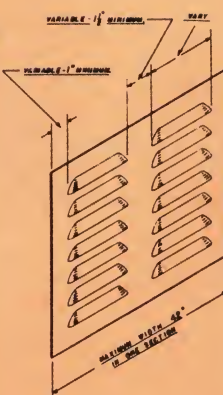
size. Made in any size. Adjustable units 32" wide and over and stationary units over 40" wide are made in two sections.

shipment. In one unit, complete with screws, ready for installation.

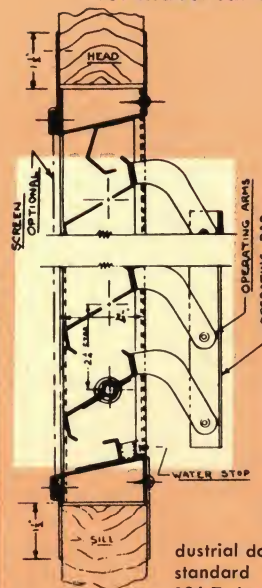
stationary
"Z" bladestationary
lightproof

model	T	mld
103	1"	A
103-1	1"	D
B-103-21	1"	F

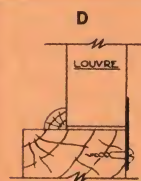
model	T	mld
124	1"	A
124-1	1"	D
124-2	1 1/2"	C
124-3	1"	G
124-4	1 1/2"	H
124-A-3	1"	F

stationary
stamped

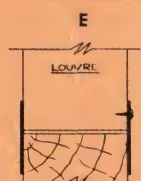
single stamped hooded Panelouvre, model 178-2. 16 or 18 gauge steel or other metals of corresponding thickness. Slot widths: 3", 4", 6", 8", 10" or 12". Maximum section width 42".

adjustable
for industrial doors

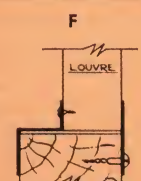
adjustable Panelouvre, model 136-C-19. Made 2 1/4" thick for industrial doors or walls where standard 4" thick model 136-7 (see page 4) is not adaptable. Standard material is 16 gauge steel.



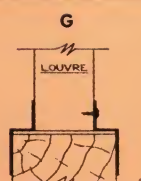
flat flange all around inside only



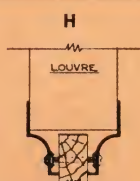
flat flanges all around both sides



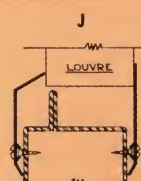
flat flange inside, "Z" mould outside only



"Z" moulding all around both sides

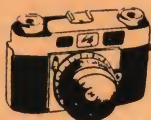


moulding for thin panels all around both sides



extended beveled moulding both sides for hollow metal doors

When metal moulding both sides is required, specify door thickness. Metal moulding both sides for doors other than 1 3/8", 1 1/2" or 1 3/4" thick is slightly higher in price.



photographs

- Bedford High School Addition, Bedford, Ohio**
 Architects—Charles Bacon Rowley & Assocs., Inc., Cleveland, Ohio
 General Contractors—H. J. Forepaugh and Sons, Inc., Bedford, Ohio
 Purchasing Contractors—Rudolph & Son Company, Cleveland, Ohio
 pages 2 and 9
- Cincinnati Gas and Electric Co., Walter C. Beckjord Station, Clermont, Ohio**
 Architects—Sargent & Lundy, Chicago, Illinois
 General Contractors—Ferro Concrete Construction Co., Cincinnati, Ohio
 page 2 and back cover
- Commercial Petroleum & Transport Co., Houston, Texas**
 Architect—Harvin T. Moore, Houston, Texas
 General Contractors—Bellows Construction Co., Houston, Texas
 pages 2 and 14
- Fire House #4, Fresno, California**
 Architects—Horn & Mortland, Fresno, California
 General Contractors—L. H. Hansen & Sons, Fresno, California
 page 5
- Florida Power Corporation, Bayboro Power Plant**
 Architects and Engineers—Kuljian Corporation, Philadelphia, Pa.
 Louvres purchased and installed by Gulf Coast Steel Co., St. Petersburg, Fla.
 page 2
- International Trade Mart, New Orleans, La.**
 Architects—Rathbone De Buys, Godat & Heft, New Orleans, La.
 General Contractors—Gervais F. Favrot Co., New Orleans, La.
 back cover
- Johns Hopkins Hospital Addition, Baltimore, Md.**
 Architect—James R. Edmunds, Jr., Baltimore, Md.
 General Contractors—Consolidated Engineering Co., Inc., Baltimore, Md.
 back cover
- Laurentien Hotel, Montreal, Canada**
 Existing Building Remodeled
 back cover
- Office Building, 575 Madison Avenue, New York City**
 Architects—Emery Roth & Sons, New York City
 Builders and Owners—Uris Brothers, New York City
 back cover
- Omaha Public Power District, Main Plant, Omaha, Nebr.**
 Louvres purchased and installed by Omaha Power District
 back cover
- Purdue University, Men's Residence Hall, West Lafayette, Ind.**
 Architects—Walter Scholer & Associates, Lafayette, Ind.
 General Contractors—J. L. Simmons Co., Inc., Indianapolis, Ind.
 back cover
- Riverbank Ordnance Plant, Riverbank, Calif.**
 Engineers and Constructors—Bechtel Corp., San Francisco, Calif.
 Louvres purchased and installed by Hansen's, Modesto, Calif.
 back cover
- St. Casimir Academy, Chicago, Ill.**
 Architects—Gaul & Voosen, Chicago, Ill.
 General Contractors—George Sollitt Construction Co., Chicago, Ill.
 back cover
- St. John Hospital, Detroit, Mich.**
 Architects—Maguolo & Quick, Detroit, Mich.
 General Contractors—Cunningham-Limp Co., Detroit, Mich.
 back cover
- Terry Dairy Products Co., Little Rock, Ark.**
 Architects—Ginocchio-Cromwell & Associates, Little Rock, Ark.
 General Contractors—Kelley-Nelson Constr. Co., Little Rock, Ark.
 page 7
- Veterans Administration Hospital, Omaha, Nebr.**
 Architects—Leo A. Daly Co., Omaha, Nebr.
 General Contractors—Peter Kiewit Sons' Co., Omaha, Nebr.
 back cover



Commercial Petroleum & Transport Co., Houston, Texas

installation

Installation of adjustable or stationary heavy duty Panelouvre models can be accomplished by the various methods illustrated on these pages. Masonry anchors enable louvres to be installed during wall construction. The use of flanges and screw holes in channel frames permits installation after openings have been completed. Screws, bolts, expansion shields or rawl plugs are furnished in the field by others.

Information regarding intended installation should accompany all orders.

sill pieces

Ventilouvre is equipped to furnish special sill pieces wherever they are desired for installation with heavy duty, industrial type Panelouvre models.

As illustrated, both formed sheet metal and extruded aluminum sills are available. Formed sill pieces are shaped to meet specific job requirements. Common extruded sill shapes are available from regular sources. The extruded Panelouvre sill frame extension is used with extruded louvres only.

Caulking stops of extruded aluminum are stocked for use with extruded models, when desired. The majority of installations involving formed or extruded louvres do not require special caulking stops. Standard caulking techniques normally apply.

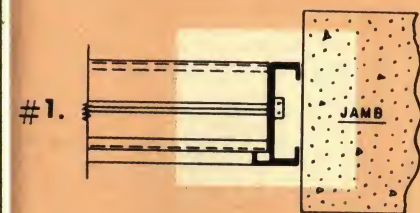
screens

Screens are regularly mounted in our standard removable "U" shaped frames attached with sheet metal screws. Our standard frame is illustrated at the right. Extruded aluminum screen frames are available when specified. Formed aluminum re-wirable frames can be furnished with insect screen.

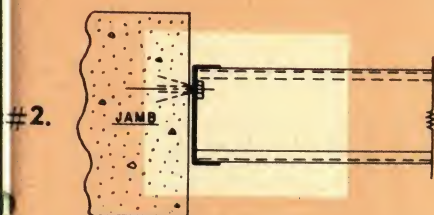
Whenever possible, one of the screens listed at the right should be specified. The choice of one or more of these screens, which are normally available and fill the most varied of requirements, avoids excessive cost and delay.

Every effort is made to meet special screen requirements. However, delay and high costs are always involved in the weaving of small lots of special gauges and meshes.

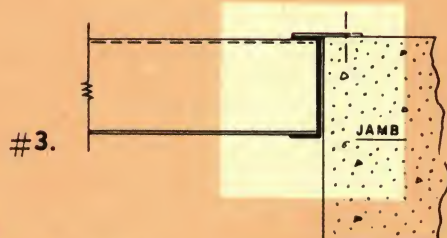
Screens are normally furnished only when attached to louvres. The assembly of screens only calls for separate costs resulting in screen prices much higher than if furnished with louvres.



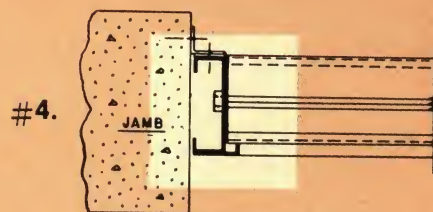
#1. 1 moulding or stops by others.



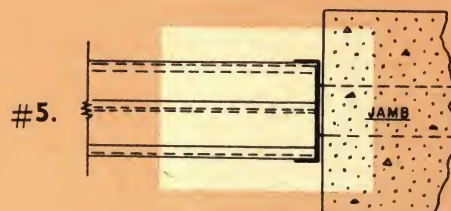
#2. 2 holes in side channels for bolts or screws.



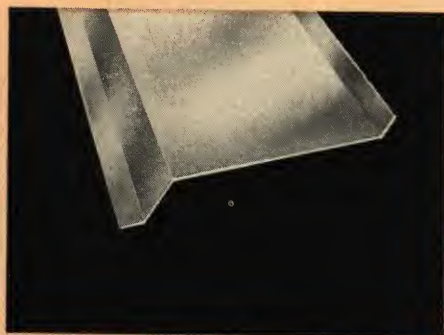
#3. 3 flat flange on exterior or interior all around or at jambs, head or sill.



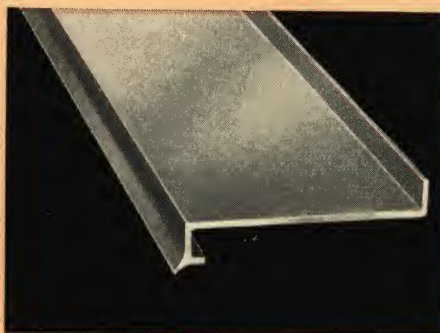
#4. 4 angle flange on exterior or interior or at jambs, head or sill.



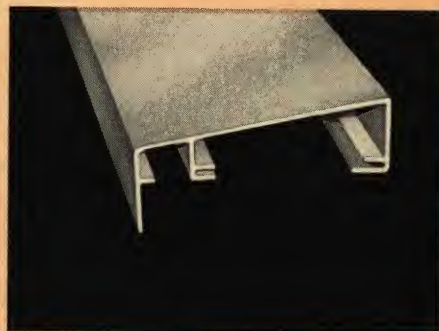
#5. 5 standard 2" x 10" masonry strap anchors at jambs for installation during wall construction.



formed sheet metal sill. Typical of shapes formed to meet specific requirements, employing a maximum of 3 bends. Material and gauge match louvres.



extruded aluminum sill. Common shapes for varying wall depths are available from regular sources. Refer to literature of aluminum manufacturers when specifying.



extruded sill frame extension. This is an alternate one piece sill frame for extruded aluminum louvres only. Not included unless specified.

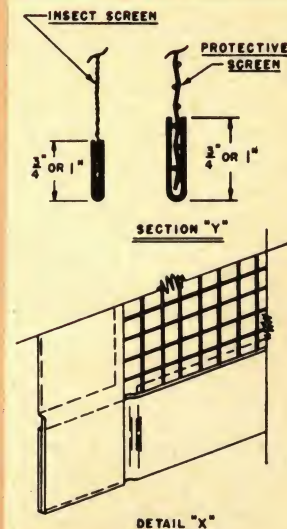
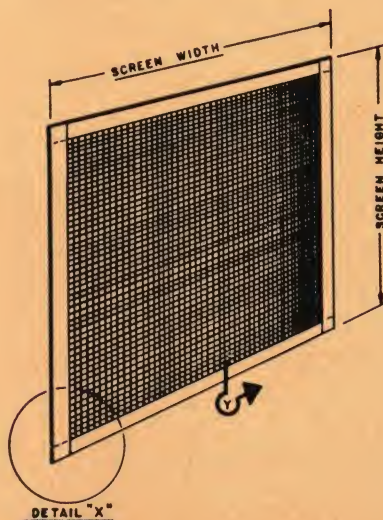
screens available from stock

insect screens

- 18 x 14 mesh bronze
- 18 x 14 mesh aluminum

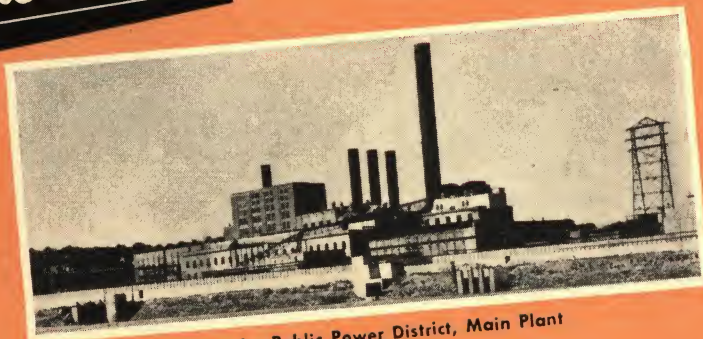
protective screens

- 1/4" square mesh 16 gauge galvanized steel
- 1/4" square mesh 16 gauge aluminum
- 1/4" square mesh 16 gauge copper
- 1/2" square mesh 12 gauge galvanized steel
- 1/2" square mesh 16 gauge galvanized steel
- 1/2" square mesh 14 gauge aluminum
- 1/2" square mesh 16 gauge aluminum
- 1/2" square mesh 16 gauge copper



Panelouvre®

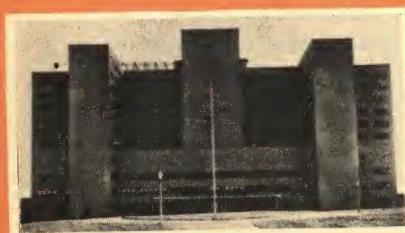
INSTALLATIONS THROUGHOUT THE COUNTRY



Omaha Public Power District, Main Plant
Omaha, Nebraska



St. John Hospital
Detroit, Michigan



Veterans Administration Hospital
Omaha, Nebraska



St. Casimir Academy
Chicago, Illinois



Riverbank Ordnance Plant
Riverbank, California



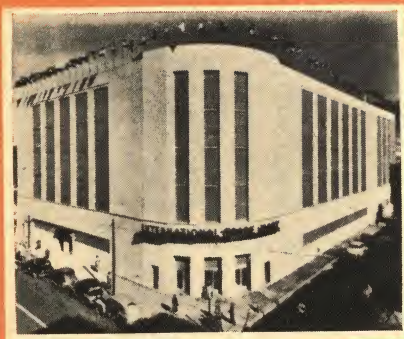
Johns Hopkins Hospital Addition
Baltimore, Maryland



Office Building
575 Madison Avenue
New York City



The Laurentien Hotel
Montreal, Canada



International Trade Mart
New Orleans, La.



Men's Residence Hall
Purdue University
West Lafayette, Indiana



Walter C. Beckford Station
Cincinnati Gas & Electric Company
Clermont, Ohio

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